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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/830,912	04/30/2001	Raxit J Jariwalla	478-P-10	5290
7590 08/01/2005			EXAMINER	
Drummond & Duckworth 5000 Birch Street, Suite 440, East Tower Newport Beach, CA 92660			COOK, REBECCA	
			ART UNIT	PAPER NUMBER
•	•		1614	

DATE MAILED: 08/01/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary		Application No.	Applicant(s)			
		09/830,912	JARIWALLA, RAXIT J			
		Examiner	Art Unit			
		Rebecca Cook	1614			
	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
THE - Extermination of the continuation of t	ORTENED STATUTORY PERIOD FOR REPL MAILING DATE OF THIS COMMUNICATION. nsions of time may be available under the provisions of 37 CFR 1. SIX (6) MONTHS from the mailing date of this communication. e period for reply specified above is less than thirty (30) days, a reploperiod for reply is specified above, the maximum statutory period are to reply within the set or extended period for reply will, by statutingly received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may a reply be tiled by within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from the cause the application to become ABANDONE.	mely filed ys will be considered timely. n the mailing date of this communication. ED (35 U.S.C. § 133).			
Status	•					
1)⊠	Responsive to communication(s) filed on 5//20	<u>0/05</u> .				
· ·						
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Dispositi	ion of Claims					
4)⊠	Claim(s) 1 and 4 is/are pending in the applica	tion.				
	4a) Of the above claim(s) is/are withdrawn from consideration.					
5)	5) Claim(s) is/are allowed.					
6)⊠	Claim(s) 1, 4 is/are rejected.					
7)	Claim(s) is/are objected to.					
8)	Claim(s) are subject to restriction and/o	or election requirement.				
Applicati	ion Papers		•			
9)[The specification is objected to by the Examine	er.				
10)[The drawing(s) filed on is/are: a) acc	cepted or b) objected to by the	Examiner.			
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority ι	under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachmen	t(s)					
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)						
2) Notic	2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date					
	mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08 or No(s)/Mail Date	5) Notice of Informal F 6) Other:	Patent Application (PTO-152)			

U.S. Patent and Trademark Office PTOL-326 (Rev. 1-04) Application/Control Number: 09/830,912

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DETAILED ACTION

Claims 2-3 and 5-12 have been cancelled by the amendments of March 15, 2005 and May 20, 2005. Claims 1 and 4 are pending and examined.

Claim Rejections - 35 USC § 112

The amendment to claim 1 overcomes the earlier rejection under 35 USC 112, paragraph one.

Claims 1 and 4 are again rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 1 no host or effective amount is recited. It is noted that Applicant has not addressed this rejection.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1 and 4 are again rejected under 35 U.S.C. 103(a) as being unpatentable over 4,822,816 (Markham) and Riordan.

Riordan discloses (page 208, column 1, paragraphs 1-2) a chemotherapy method using ascorbic acid and its salts (AA) and that AA preferentially kills neoplastic cells. Riordan further discloses (page 208, column 2 first paragraph) that metabolites of AA have shown antitumor activity.

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Markham discloses (column 1, lines 56-62) that above normal concentrations of Vitamin C are hard to establish and maintain because of its side effects, such as diarrhea, gastric inflammation and inflammation. Markham further discloses (column 2, lines 6-28) that high levels of AA and its derivatives can be achieved by using a combination of AA and its metabolites, which are the instantly recited metabolites.

Applicant argues that Markham does not teach that his vitamin C composition would be useful in cancer treatment. Applicant further argues that Riordan does not suggest that the prevention of diarrhea, gastric inflammation or kidney stone formation would enhance the selectivity of ascorbic acid in killing cancer cells versus normal cells. This is not persuasive. One would be motivated to use the instant combination to treat cancer, since Riordan discloses that AA and its metabolites show antitumor activity and Markham discloses that high levels of AA and its derivatives can be achieved by using a combination of AA and the instant metabolites.

Applicant further argues that the composition of mineral ascorbate salt of AA + metabolites achieve minimum two-fold increase in cell death rate, or lower concentrations than is required to achieve such decrease with either mineral ascorbate alone or with ascorbate alone. This is not persuasive, since it is not seen that the data in the specification supports this. The examples in the specification have been carefully considered but are not persuasive because they do not show unexpected results of using the combination of an identified plasma-soluble metal salt of ascorbic acid and an identified Vitamin C metabolite as compared to using an identified plasma-soluble metal salt of ascorbic acid alone and an identified Vitamin C metabolite alone.

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Double Patenting

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970);and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claims 1 and 4 are again rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 4-6 of U.S. Patent No. 6,468,980 for the reason given in the Paper of September 16, 2004. It is noted that the Applicant has agreed to provide a terminal disclaimer.

Action Is Final

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

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the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Cook whose telephone number is (571) 272-0571. The examiner can normally be reached on Monday through Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christopher Low, can be reached on (571) 272-0951.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to Renee Jones (571) 272-0547 in Customer Service.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

The official fax number is 571-273-8300.

Rebecca Cook

Primary Examiner

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June 27, 2005